

# Particle accelerators... in space

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For over a hundred years, scientists have perfected particle acceleration to the point where they can accelerate protons to 4 TeV, a technological feat that took thousands of scientists and over \$6.4 billion. Nature, on the other hand, has surpassed this energy by a factor of 100 million without even trying. How does Nature do it without any superconducting magnets, engineers, or any concerted effort? Good question.

**SASS**  
SLAC Association for Student Seminars

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12:30pm

2nd Floor Kavli  
Conference Room